



Patent
Attorney's Docket No. 007198-451

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Kui Wong YEUNG) Group Art Unit: 1724
Application No.: 10/046,712) Examiner: Jason M. Greene
Filed: January 2, 2004) Confirmation No.: 3616
For: VENTILATOR OR VENTILATING)
APPARATUS WITH THERMAL)
EXCHANGER AND AIR FILTER)

PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to examination, kindly amend the above-identified application as follows:

DOCKETED
filed 1/21/04
LJ

AMENDMENTS TO THE SPECIFICATION:

Page 1, immediately following the title appearing on line 1, insert the following:

This disclosure is a continuation of U.S. Patent Application No. 10/046,712, filed January 17, 2002, which is a continuation-in-part of U.S. Patent Application Serial No. 09/960,387, filed on September 24, 2001, and claims the benefit of Hong Kong SAR, China Application No. 01106671.2, filed on September 20, 2001, the contents of which are incorporated herein by reference.

Please replace the paragraph beginning on page 15, line 23 and ending on page 16, line 6, with the following amended paragraph:

In a second preferred embodiment of the present invention, as shown in Fig. 67, and with the same set of numeral reference, the ventilator includes an additional air-moving device (70) which is placed in the first air compartment (62) or the fresh air-passageway to compensate for possible imbalances which may result from under-pressure as a result of filter clogging (50). Filter clogging may result in difficulty in drawing outside air into the enclosed space via the air-ventilator. This additional air-moving device may be a centrifugal fan connected to a second electric motor (71) which provides additional suction to draw air from the outside through the air-filter. The drawn fresh air is then delivered towards the first air-moving device for continual delivery to the thermal exchanger. As this arrangement mitigates the under-pressure problem, performance of the ventilator can be maintained without the need for a high speed or high power suction device to compensate for the increased loading due to a clogged or partly clogged filter. As a result, both the first and the additional air-moving devices can operate within the preferred normal rotational speed range of 800-1,200 rpm and, at the same time, maintain a high thermal efficiency.

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AMENDMENTS TO THE DRAWINGS:

Please replace original Figs. 1-7 with the attached sheets of replacement drawings,
which includes Figs. 1-7.

Attachments: Replacement Sheets

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REMARKS

The specification has been amended to insert a reference to the parent applications,
and to correct a minor typographical error on page 15.

Formal drawings are also being submitted, to replace the original drawings.

Favorable consideration of the claims is requested.

Respectfully submitted,

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Date: January 2, 2004

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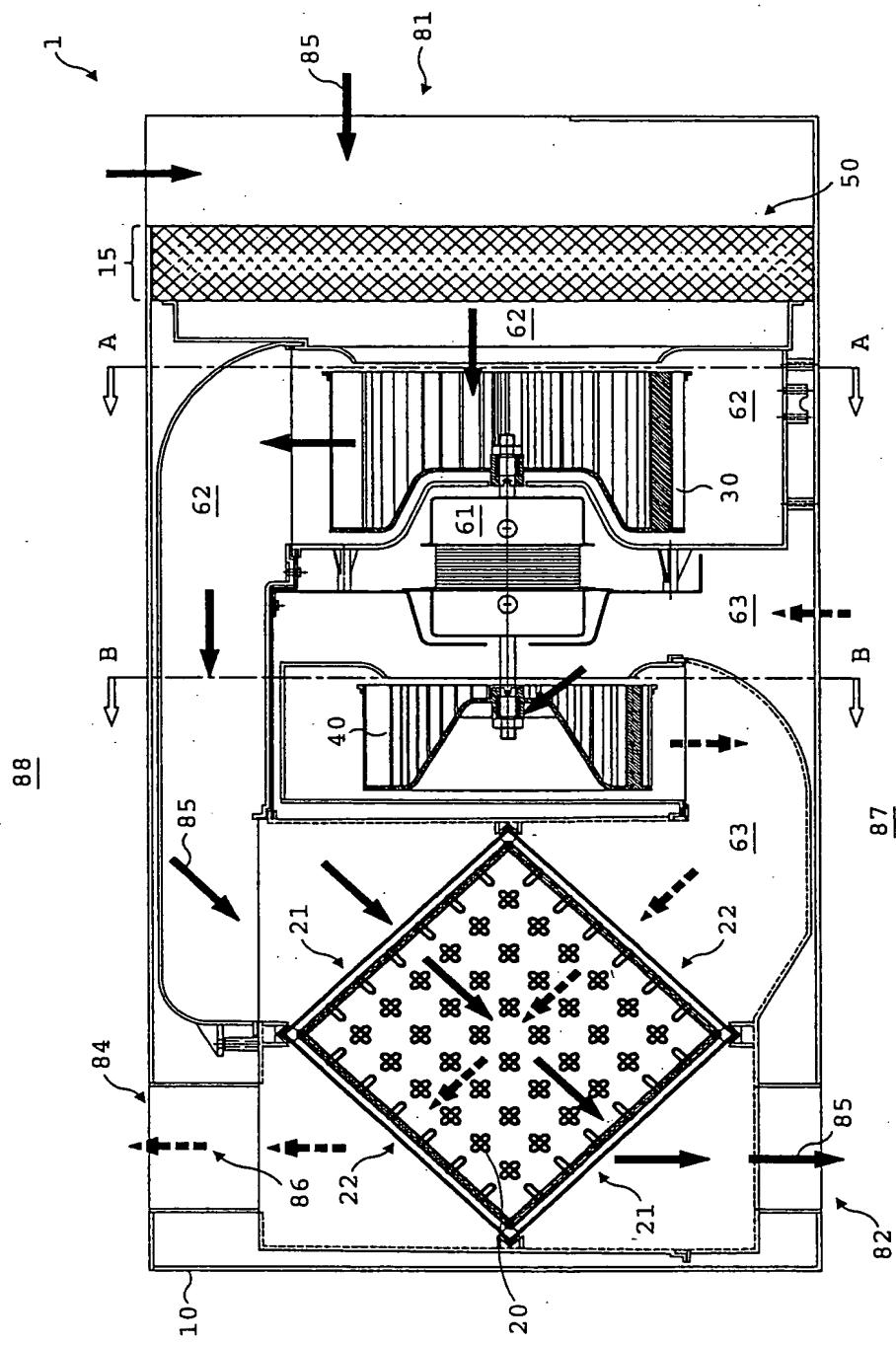


FIG. 1

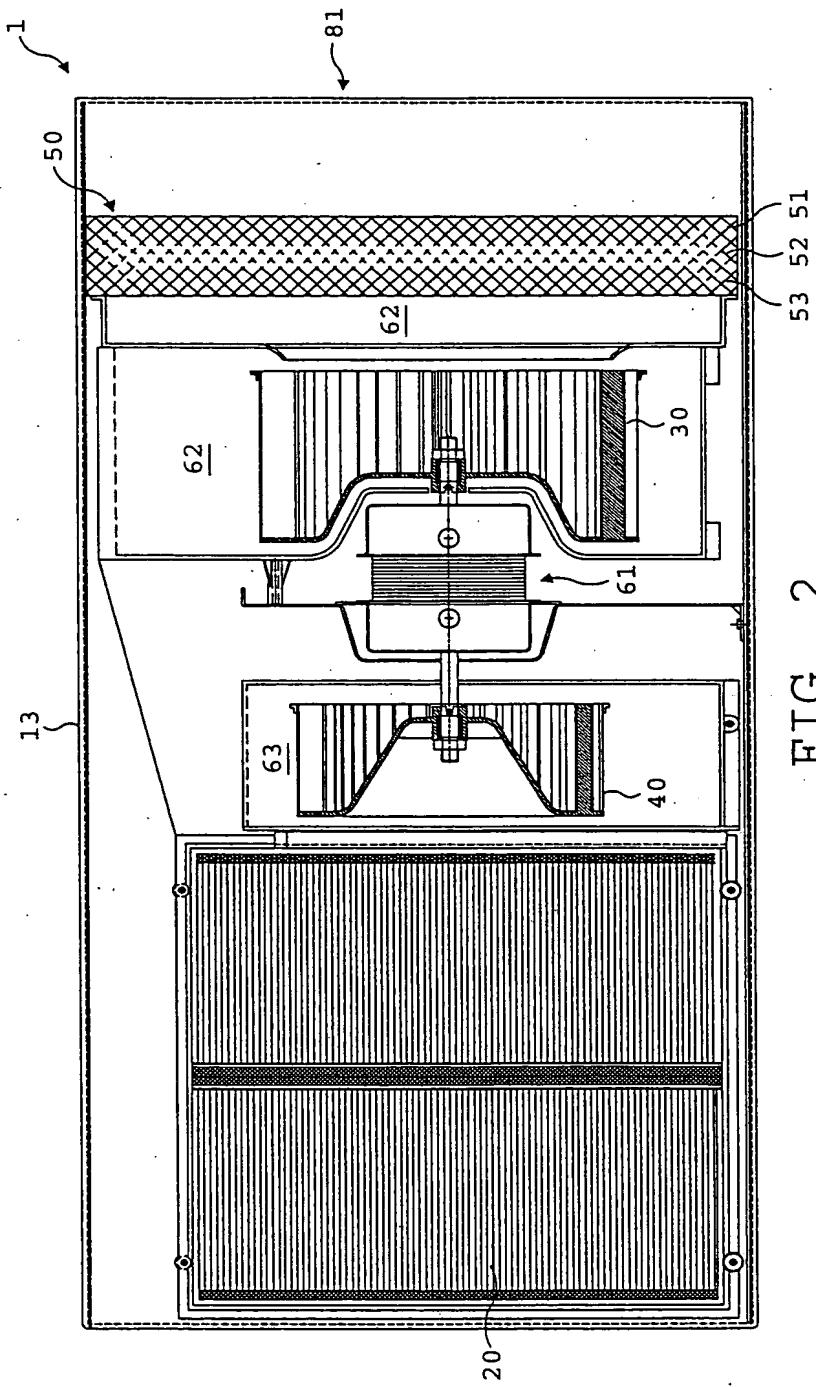


FIG. 2

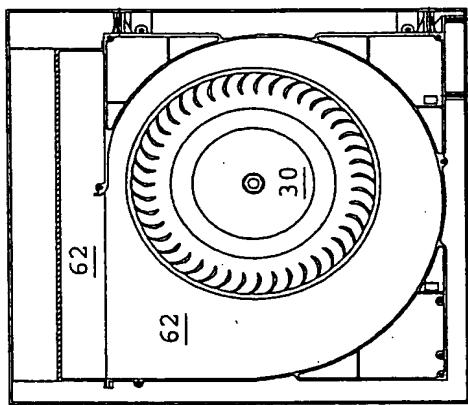


FIG. 4

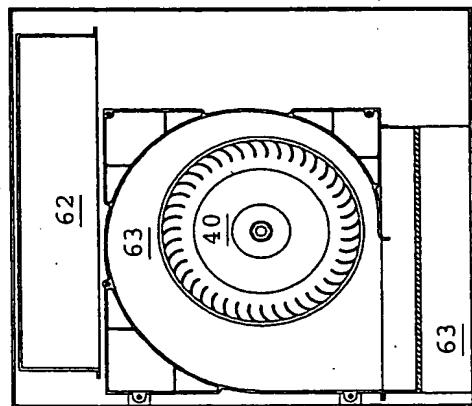
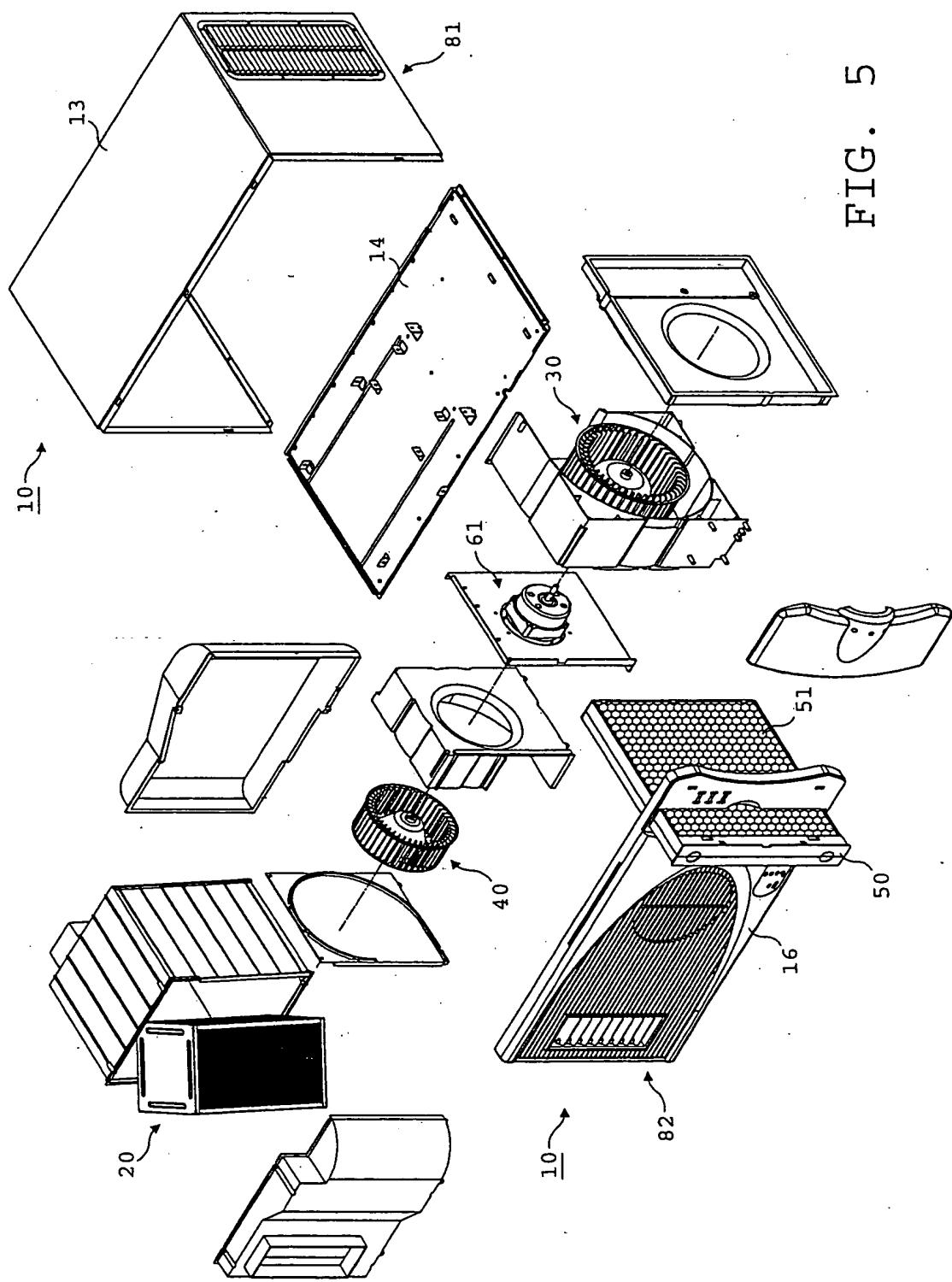


FIG. 3

FIG. 5



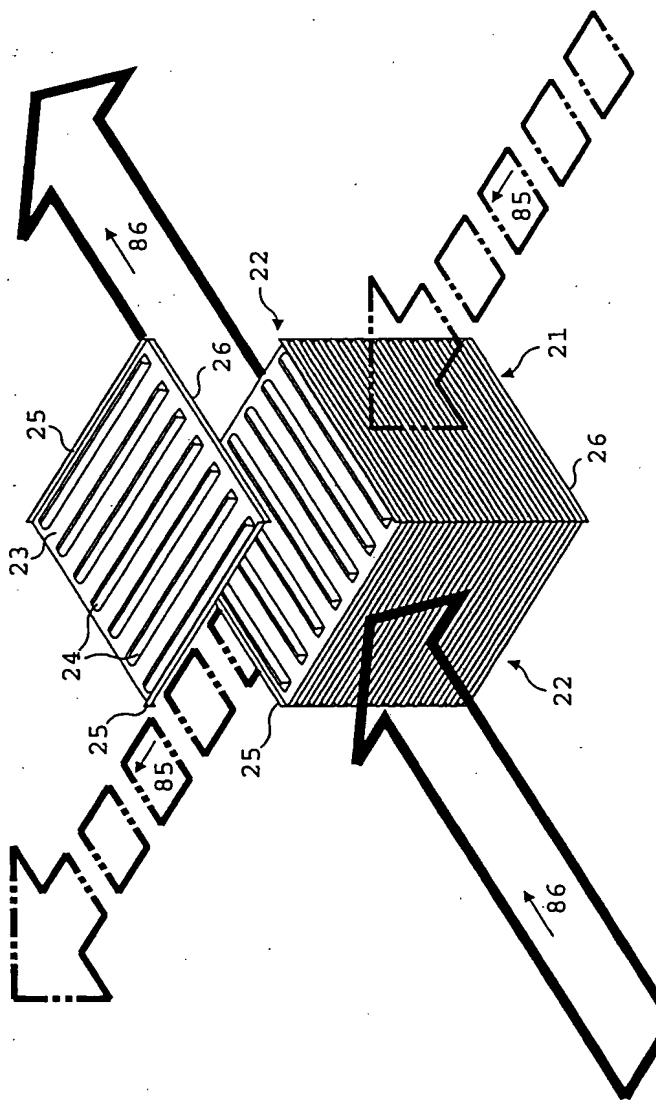


FIG. 6

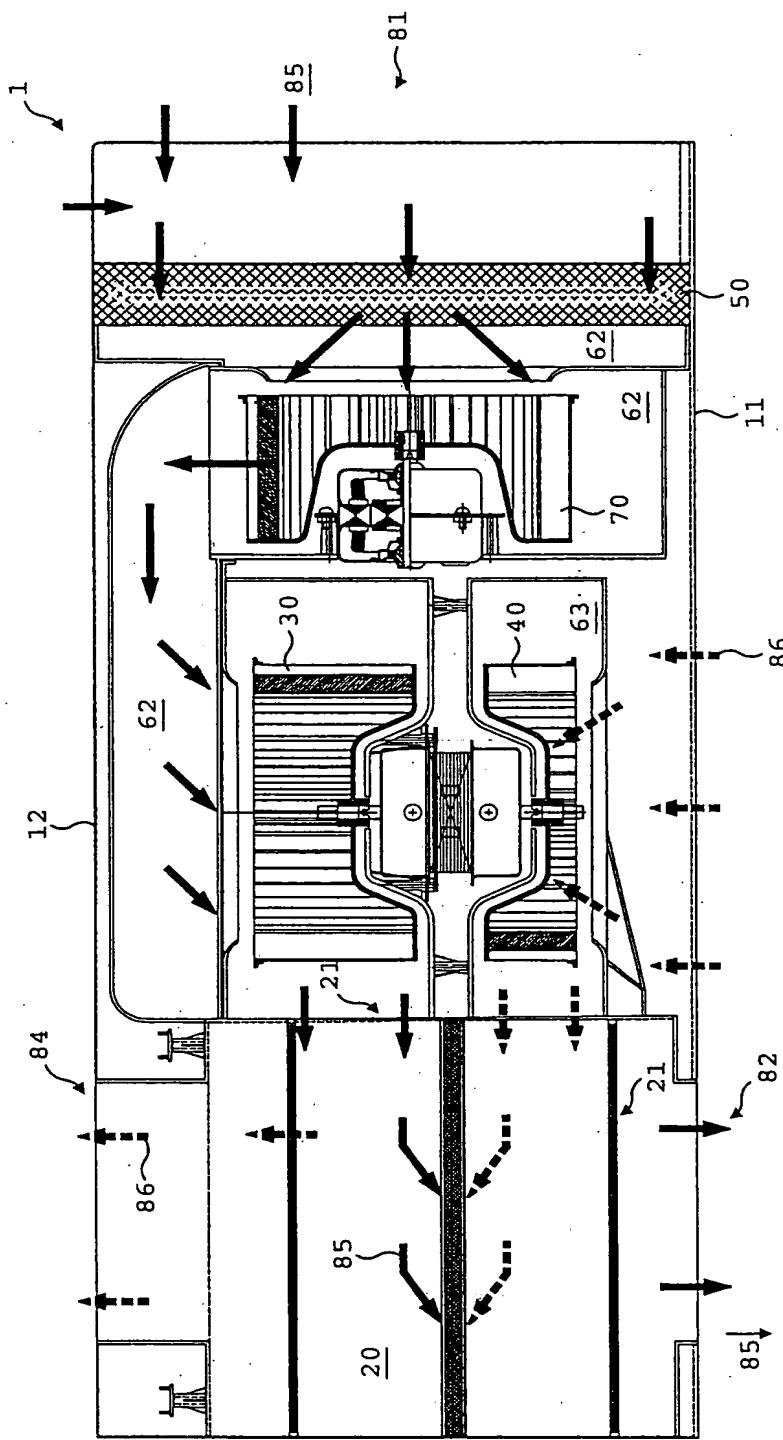


FIG. 7